



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### PART III—SECTION 2

#### पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस Notifications and Notices issued by the Patent Office relating to Patents and Designs

##### THE PATENT OFFICE PATENT AND DESIGNS

Calcutta, the 30th December 1978

CORRIGEUDM

In Part III, Section 2 of The Gazette of India, dated the 29th April 1978, at page 308 under the heading "Complete Specifications Accepted", against No. 144326, after "Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972)" for "Patent Office, Calcutta", read "Patent Office, Calcutta", read "Patent Office, Delhi Branch".

##### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

23rd November, 1978

1266/Cal/78. Population Research Incorporated. Dispensing instrument and method.

1267/Cal/78. Westinghouse Electric Corporation. Dual spring circuit interrupter apparatus. [Divisional date November 6, 1975].

1268/Cal/78. Westinghouse Electric Corporation. Circuit breaker apparatus with static pressure lock. [Divisional date November 6, 1975].

1269/Cal/78. Georg Fischer Aktiengesellschaft. Melt processing apparatus with tilttable melt receptacle.

24th November, 1978

1270/Cal/78. Gersoran S.A. Gem stone support. (November 24, 1977).

1271/Cal/78. Societe Lab. Process for the centrifugal treatment of liquid or gaseous fluids containing impurities in suspension.

1272/Cal/78. Sciaky Bros, Inc. Improvement in sliding vacuum seal means.

1273/Cal/78. Siemens Aktiengesellschaft. A circuit arrangement for the production of signals with a selectable repetition frequency.

1274/Cal/78. Siemens Aktiengesellschaft. Frequency correction for data transmission.

25th November 1978

1275/Cal/78. Holco Investment Inc. Process for the production of rifamycins. (November 25, 1977).

1276/Cal/78. Deepak Kumar Dasgupta. Improvements in or relating to an internal combustion engine.

1277/Cal/78. Toshin Kogyo Co., Automatic screen printing process and apparatus.

27th November, 1978

1278/Cal/78. Tsentralnaya Experimentalno-Issledovatel'skaya Konstruktorsko-Tekhnologicheskaya Laboratoria Khimizatsiielskogo Khozyaisvya. Method and apparatus for producing a watertight layer in soil.

28th November, 1978

1279/Cal/78. Societe Des Produits Nestle S.A. Process for Decaffeinating tea and resulting tea product.

1280/Cal/78. Albe S.A. A device for edging the points of ball pens in particular those made of hard material.

1281/Cal/78. The Indian Cable Co., Ltd. Electrical cable for signal transmission in high ambient temperatures.

1282/Cal/78. Chicago Pneumatic tool Company. Oscillating air motors. [Divisional date November 18, 1976].

1283/Cal/78. GAF Corporation. Composition for the treatment of gossypium.

29th November, 1978

1284/Cal/78. Norvidan Engineering ApS. Method and plant for regulating a pellet mill.

## APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

6th November, 1978

795/Del/78. Mr. S. Jain. An electrical dipper.  
 796/Del/78. Mr. S. Jain. An electrical dipper.  
 797/Del/78. Modipon Limited. An intermingler.  
 798/Del/78. Modipon Limited. An intermingler.  
 799/Del/78. T. T. Japan. Split-charge evaporation carburetion system.

7th November, 1978

800/Del/78. L. Prasad. Ink dating machine.  
 801/Del/78. S. K. Awasthy. Free speed points and crossing.

8th November, 1978

802/Del/78. M. E. Macleman and M. Lawson. Protein-containing food material. (November 8, 1977).  
 803/Del/78. D. Whitel and J. Fletcher. Improvements in or relating to the manufacture of cementitious products. (November 9, 1977).  
 804/Del/78. Science Union Et Cie, Societe Francaise De Recherche Medicale. Processes for preparing new disubstituted piperazines.

9th November, 1978

805/Del/78. Gadgets India. Rear view mirrors for use in vehicles.  
 806/Del/78. Dorr-Oliver Incorporated. Dry coal feed systems for combustion reactors.  
 807/Del/78. Societe Civile De Recherches & D' Applications Scientifiques (S.C.R.A.S.) Preparation process of a new pyridine derivative. (November 25, 1977).

10th November, 1978

808/Del/78. Cable Belt Limited. Improvements in and relating to ropes and the like. (November 11, 1977).  
 809/Del/78. Pa-tune Morcov. Rotary steam bollers. [Addition to No. 438/Cal/77].  
 810/Del/78. Lodge-Cottrell Limited. Improvements in or relating to fume containment. (November 21, 1977).

13th November, 1978

811/Del/78. Hem Raj Gupta. A special key security lock.  
 812/Del/78. G. R. Dhiman, N. D. Dhiman and H. Dhiman. Improvements in or relating to a mini paddy thresher.

15th November, 1978

813/Del/78. Council of Scientific and Industrial Research. An efficient device for removing air borne fine dust particles from ambient air.  
 814/Del/78. Rohm and Haas Company. Removal of bacteria from liquids and apparatus therefor.  
 815/Del/78. G. K. N. Fasteners Limited. Improved screw driver. (July 19, 1975) [Divisional date July 14, 1976].  
 816/Del/78. G. K. N. Fasteners Limited. Improved punch for making recess head screws (July 19, 1975). [Divisional date July 14, 1976].  
 817/Del/78. Aimants Ugimag S.A. A process for the thermal treatment of Fe-Co-Cr alloys for permanent magnets.  
 818/Del/78. Pfizer Corporation. Therapeutic agents. (November 16, 1977).

16th November, 1978

819/Del/78. Tesa S.A. Extension device for linear measurement instruments.  
 820/Del/78. Tesa S.A. Dial measurement gauge.  
 821/Del/78. Stamicarbon B.V. Solutions of organic magnesium compounds containing oxygen in hydrocarbons.  
 822/Del/78. PPG Industries, Inc. 1-(3 Methyl-5-Iothiazolyl)-3-methylureas.

## APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

20th November, 1978

214/Mas/78. M. K. Thomas. Divalve flushing cistern.  
 215/Mas/78. R. Ganeshan. Dual-purpose hand drill.  
 216/Mas/78. T. A. Vijayan. An anti-sinking device for small marine vessels.

21st November, 1978

217/Mas/78. G. Gunasekaran. Improvements in ring and traveller for spinning machines.

24th November, 1978

218/Mas/78. Smt. Dittakavi Seshagiri. Touch operated burglar alarm.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The Classification given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due Course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed charges which may be ascertained on application to that office.

CLASS 107D &amp; 127D

145802.

Int. Cl.-F16n 19/02.

## IMPROVEMENT IN OR RELATING TO AN INTERNAL COMBUSTION ENGINE

*Applicant & Inventor* : HOMI FRAMROZ MANEKSHA, BANAJI HOUSE, F1 AT NO. 12-A, N.C. BAUG, MORI ROAD, MAHIM, BOMBAY-400 016, MAHARASHTRA, INDIA.

Application No. 218/Bom/76 filed July 7, 1976.  
 Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

An internal combustion engine, either two strokes or four strokes characterized in that the device for converting linear reciprocating motion or motions—of either a single two way acting piston or a group of such similar, two, three or four pistons in a radially assembled, two three or four

pairs of cylinders at 180°, 90°, 60° or 45° apart respectively—to a uniform circular motion through a directly interconnected rotating scmgear shaft or axle with the uniformly matching male and female indentations on less than half the outer circumferential surface, with uniformly made equal numbers of horizontal male and female indentations in both the top and bottom peripheries of the piston or pistons.

CLASS 83A,

145803.

Int. Cl.-A23l 1/10.

## AN APPARATUS FOR MAKING MURUKU BEING A SOUTH INDIAN DISH.

*Applicant & Inventor* : MRS. SARASWATHI BAL-KRISHNA, 1206, B/1, JANGLI MAHARAJ ROAD, PUNE-411 004, MAHARASHTRA STATE, INDIA.

Application No. 388/Bom/76 filed November 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 1 Claim.

An apparatus for making Muruku a South Indian dish comprising a cylindrical container for filling dough having suitable opening in the bottom plate, the said cylindrical container having at the top a ring with a toothed edge, the said cylindrical container being capable of freely rotating in another housing ring provided with appendages for holding the said housing ring with middle and index fingers of left hand; on one side of the said housing ring there is provided another toothed wheel capable of freely rotating with a small handle the said toothed wheel engaging with the toothed ring of the said cylindrical container so as to transfer the motion in vertical plane of the said toothed wheel into rotating motion in horizontal plane that of the said cylindrical container; a pusher having a ring with swivel fitting at the top for inserting thumb of left hand for giving slight pressure on the contents in the said cylindrical container, on rotating the handle of the said toothed wheel the said cylindrical container rotates to extrude a twisted thread of dough, to obtain perfect Muruku.

CLASS 69D &amp; 186A.

145804.

Int. Cl.-H02h 3/32, H04b 7/14.

## A PHASE COMPARING RELAY.

*Applicant* : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventor* : KALYAN KUMAR MUSTAPHI.

Application No. 2407/Cal/75 filed December 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A phase comparing relay for protecting a line section of a multiphase power transmission network by comparing the phase of the current at a local end of the line section with the phase of the current at a remote end to actuate a protection circuit when the currents are in a predetermined phase relationship, said relay comprising a plurality of current sensing means each associated with one of the phase conductors of said line section, each said sensing means providing an output signal representative of the phase of the current in its associated phase conductor, at least a first and a second phase comparing means connected to actuate said protection circuit, and a signal receiving means adapted to receive at least a first and a second transmitted signal to be applied to said at least first and second phase comparing means, respectively, characterized in that said relay includes a first network responsive to the output signals from a first and a second of said current sensing means for providing a first output signal representative of the phase difference of the currents of their associated phase conductors, and a second network responsive to the output signals from at least said first and second and a third of said current sensing means for providing a second output signal

representative of the phase sum of the currents of their associated phase conductors, said first and second output signals being supplied to said first and second phase comparing means for comparison with said first and second transmitted signals, respectively, to actuate said protection circuit when the compared signals are in a predetermined phase relationship.

CLASS 206B &amp; I.

145805.

Int. Cl.-H01h 47/00.

## A PROTECTIVE RELAYING APPARATUS.

*Applicant* : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventors* : WALTER LIVINGSTON HUNMAN, JR. AND RUSSELL WOODBURY GONNAM.

Application No. 88/Cal/76 filed January 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A protective relaying apparatus which protects a line section of a power transmission line by actuating a line protection circuit when the currents at a local and a remote end of the protected line section are in a predetermined phase relationship, said apparatus comprising current sensing means associated with a phase conductor of the protected line section, said current sensing means providing an output signal representative of the phase and magnitude of the current in its associated phase conductor, security margin establishing means responsive to the output signal of said current sensing means for establishing upper and lower limits of a current security margin and for generating a first signal indicating whether the output signal of said current sensing means is above or below said lower limit, keying means responsive to the output signal of said current sensing means for establishing a transmitter keying threshold and for generating a transmitter keying signal indicating whether the output signal of said current sensing means is above or below said transmitter keying threshold, a transmitter keyed by said transmitter keying signal to transmit a third signal from the local end to the remote end of the protected line section, a receiver for receiving a fourth signal transmitted from the transmitter at the remote end, said fourth signal being generated by keying a transmitter at the remote end, and comparing means for comparing said fourth signal with said first and second signals separately and for actuating said line protection circuit when the compared signals are in a predetermined phase relationship, wherein said security margin establishing means establishes said upper and lower limits to one side of the effective zero axis of the waveform of the output signal of current sensing means and said keying means establishes said transmitter keying threshold to the other side of the effective zero axis of the waveform of the output signal of said current sensing means.

CLASS 35E.

145806.

Int. Cl.-F27d 1/16.

## METHOD OF LINING OR REPAIRING FURNACE PARTS WITH RAMMING MASS OR MOULDABLES.

*Applicant* : ORISSA CEMENT LIMITED, OF RAJ-GANGPUR, DIST-SUNDARGARH, ORISSA, INDIA.

*Inventor* : DR. SHYAM LAXMAN KOLHATKAR.

Application No. 303/Cal/77 filed March 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims. No drawings.

A method of lining or repairing furnace parts with ramming mass or mouldables which comprises mixing 100 parts

by wt. of basic refractory aggregates with upto 6 parts by wt. of thin pieces of steel or stainless steel wires having diameter from 0.05 to 0.5 mm. size, adding a chemical bonding agent to the mix, adding water to the mix and applying the wet mix to furnace parts in situ by ramming, casting or moulding.

CLASS 35E.

145807.

Int. Cl.-F27d 1/16.

## METHOD OF LINING OR REPAIRING FURNACE PARTS WITH RAMMING MASS OR MOULDABLES.

*Applicant* : ORISSA CEMENT LIMITED, OF RAJGANGAPUR, DIST- SUNDARGARH, ORISSA, INDIA.*Inventor* : DR. SHYAM LAXMAN KOLHATKAR AND SUSHIL KUMAR MAITI.

Application No. 304/Cal/77 filed March 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A method of lining or repairing furnace parts with ramming mass or mouldables which comprises mixing fire-clay and high alumina refractory aggregates having 30 to 98% Al2O3 with upto 4% by wt. of thin pieces of steel or stainless steel wires with diameter from 0.05 to 0.5 mm size, adding a chemical bonding agent to the mix, adding water to the mix and applying the wet mix to furnace parts in situ by ramming, casting or moulding.

CLASS 174F.

145808.

Int. Cl.-F15b 15/00.

## A HYDRAULIC CUSHIONING APPARATUS FOR AN AUTOMATIC PNEUMATIC PLOUGH OR SCRAPER.

*Applicant & Inventor* : SHRIHARI NAGESH LELE, 20/2, KALI LANE, CITY OF CALCUTTA, STATE OF WEST BENGAL.

Application No. 122/Cal/78 filed February 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claim.

A hydraulic cushioning apparatus in combination with an automatic pneumatic plough or scraper disclosed in Indian Patent Specification No. 117607 of 1968 comprising a fixed cylinder having a shaft adapted to reciprocate therein, a washer at the lower end of the said shaft, a linkage connecting the upper end of the shaft to the moving cylinder of the said plough or scraper, a pipe line connecting the chambers formed in the fixed cylinder above and below the said washer and a pressure control valve adapted to be set for controlling the flow of oil through the said pipe line.

CLASS 43F &amp; 143C.

145809.

Int. Cl.-G03c 5/00, G03b 7/00.

## AN APPARATUS FOR PROVIDING HALF FRAME PICTURE ON A NORMAL 35 MM FILM STRIP.

*Applicant* : DIRECTOR GENERAL, INDIAN COUNCIL OF MEDICAL RESEARCH, ANSARI NAGAR, NEW DELHI-110016, INDIA.*Inventors* : SAMAVEDAN SRINIVASAN SRIRAMA-CHARYAULU AND OM PRAKASH JAWLA.

Application No. 63/Del/76 filed December 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

An apparatus for obtaining half frame pictures on a normal 35 m.m. film strip comprising an enlarger with a condenser having a source of light mounted on a stand, means for holding an object disposed below said enlarger, a camera lens held in a lens hood and disposed below said enlarger, the lens hood being connected to a viso flex, the

camera having strips of film on which the pictures are to be obtained disposed below said lens hood and connected to said viso flex, characterized in that means are provided in said apparatus to adapt the camera to be rotated through an angle of 90°, said means comprising rotation control clamp means held rotatably to said stand for said camera, lens hood and viso flex.

CLASS 10B.

145810.

Int. Cl.-C06c 5/00.

## EXPLOSIVE FUSECORD METHOD AND APPARATUS FOR MANUFACTURING THE SAME.

*Applicant* : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILL-BANK, LONDON SW1P 3JF.*Inventor* : DANIEL STEELE.

Application No. 327/Del/77 filed October 19, 1977.

Convention date November 8, 1976/(46361/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

32 Claims.

An explosive fusecord comprising a core of explosive material surrounded by at least two tubular layers of wrapping material coaxial with said core, two adjacent wrapping layers being bonded together by an intermediate layer of waterproof hot-melt adhesive material.

CLASS 40F.

145811.

Int. Cl.-B23p 9/00, 021d 1/00.

## METHOD AND APPARATUS FOR INJECTION MOULDING FOUNDRY CORES.

*Applicant & Inventor* : WERNER LUBER, OF BAHNHOFFSTRASS-E, 23-32, BAZENHEID, SWITZERLAND.

Application No. 1656/Cal/76 filed September 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

In a method of injection moulding of foundry cores made of a mixture which includes sand and curable compounds in which to harden the core the core is exposed to a core-forming apparatus and to a mixture of a gaseous catalyst and a carrier gas, and to compressed air, the improvement comprising the steps of segregating and temporarily storing the mixture of gaseous catalyst and carrier gas in a first vessel;

segregating and temporarily storing compressed air in a second vessel, the volume pressure, and the temperature of the compressed air both being higher than the volume, pressure and temperature of the compressed air both being higher than the volume, pressure and temperature of the gaseous catalyst—carrier gas mixture;

rapidly injecting such stored mixture of gaseous catalyst—carrier gas into the core forming apparatus;

and then suddenly and abruptly and rapidly injecting said compressed air at said elevated temperature and with said higher volume into the coreforming apparatus.

CLASS 28E.

145812.

Int. Cl.-F23k 3/00.

## A METHOD FOR THE COMBUSTION OF CRUSHED SOLID FUEL.

*Applicant* : CONCRETE INDUSTRIES (MONIER) LIMITED, OF 333 EPSOM AVENUE, BELMONT, IN THE STATE OF WESTERN AUSTRALIA, AUSTRALIA.*Inventors* : ALAN GRANT STEWART, JOHN WHITE FORD AND WILLIAM JAMES EMMETT.

Application No. 1668/Cal/76 filed September 9, 1976.

Convention date September 17, 1975/(PC 3207/75)  
AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A method for the combustion of crushed solid fuel comprising crushing the fuel into a powder form, placing the crushed fuel into a storage bin and fluidizing said fuel within said bin, passing the fluid fuel through a de-airing pipe to partially compact the fuel, advancing the partially compacted fuel into a mixing chamber, passing compressed air through the mixing chamber so as to form a *vena contracta* in said mixing chamber thereby inducing the flow of partially compacted fuel into the compressed air and causing the mixture of fuel and compressed air to flow into a kiln or furnace.

CLASS 32E. 145813.  
Int. Cl.-C08I 45/48, 45/50.

#### SELF-EXTINQUISHING POLYMERIC COMPOSITIONS.

*Applicant* : MONTEDISON S.P.A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

*Inventors* : GUIDO BERTELLI, PIERPAOLO ROMA AND RENATO LOCATELLI.

Application No. 708/Cal/77 filed May 12, 1977.

\* Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings.

Self-extinguishing polymeric compositions comprising, for 100 parts of a polymer selected from the group consisting of polypropylene, polyethylene, polystyrene, polyamides, ABS resins and blends polypropylene/EPMD rubber, as such or containing inert fillers and/or other conventional additives : (1) 5 to 30 parts of an ammonium phosphate; and (2) 3 to 20 parts of one or more nitrogen containing compounds selected from (a) those containing the groups  $>C=O$  and/or  $>C=S$  and  $>NH$  inserted in a cyclic structure; (b) those containing the group  $-CO-NH-(CH_2)_n-$  in which n is an integer having a value of at least 1, and (c) products obtained by the reaction of compounds (a) and/or (b) with aldehydes.

CLASS 62D. 145814.  
Int. Cl.-D01c 1/04.

A METHOD FOR ENZYMETIC SOFTENING AND UPGRADING OF MESTA AND OTHER COARSE FIBRES.

*Applicant* : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATOLA ROAD, CALCUTTA-700053, WEST BENGAL, INDIA.

*Inventors* : DR. BIRENDRA LAL GHOSH AND SRI AJOY KUMAR DUTTA.

Application No. 724/Cal/77 filed May 16, 1977.

Complete specification left January 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A method for enzymatic softening and upgrading of mesta and other coarse fibres belonging to Hibiscus plant species, characterised in that a low dose of cellulase and hemicellulase enzymes, initially produced by growing the fungus *Aspergillus terreus* on moist and sterilised wheat bran medium and extracting with water the said enzymes from the matured and dried culture, is applied to the said fibres in admixture with the conventional jute batching oil emulsion at the softener machine followed by floor-piling as per conventional method.

CLASS 139A.

145815.

Int. Cl.-C09c 1/44.

#### PROCESS FOR PRODUCTION OF CARBON BLACK.

*Applicant* : VESOJUZNY NAUCHNO-ISSLEDOVATEL'SKY INSTITUT TEKHNICHE-SKKOGO UGLEROADA, OMSK, 5 KORIDNAYA ULITSA, 29, USSR.

*Inventors* : VITALY FEDOROVICH SUROVIKIN, NIKOLAI KALLSTRATOVICH KORENYAK, GENNADY VASILIEVICJ BABICH, VLADIMIR FEDOROVICH ANTONENKO AND ALEXANDR VLADIMIROVICH ROGOV.

Application No. 1373/Cal/77 filed September 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for the production of carbon black, comprising thermal decomposition of hydrocarbon feedstock in a flow of the liquid and/or gaseous fuel-air complete combustion products at a temperature of 1450°C quenching the resultant reaction products with water to a temperature of 650°-750°C and subjecting it to a subsequent air cooled which is effected in two stages, said reaction products being cooled to a temperature of 600 to 350°C at the cooling rate of 1000 to 4000 deg. per second during the first stage, and to a temperature of 500 to 400°C at a cooling rate of 400 to 800 deg. per second during the second stage, with the desired product being recovered thereafter.

CLASS 116G. 145816.

Int. Cl.-B23d 79/00.

#### IMPROVEMENTS IN OR RELATING TO A PNEUMATIC PLOUGH OR SCRAPER.

*Applicant & Inventor* : SHRIHARI NAGESH LELE, 20/2, KALI LANE, CITY OF CALCUTTA, STATE OF WEST BENGAL, INDIA.

Application No. 123/Cal/78 filed February 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A pneumatic plough or scraper disclosed in Indian Patent Specification No. 117607 of 1968, in which the blade has two or more tips separated by a gap between the or each pair of tips, the length of the said gap being less than the length of the stroke of the moving cylinder.

CLASS 206-C. 145817.

Int. Cl. G08g 5/02.

#### AIRCRAFT TAKE-OFF AND LANDING SYSTEM.

*Applicants & Inventors* : NIKOLAI GENNDIEVICH BASOV-ULITSA DMITRIA ULYANOVA, 3, KV. 113, MOSCOW, U.S.S.R. (2) IGOR ALEXANDROVICH BER-EZHNOI-ULITSA TUKHACHEVSKOGO, 253, KV. 18, KUIBYSHEV, U.S.S.R. (3) VYACHESLAV SERGEEVICH VEKSHIN ULITSA PARTIZANSKAYA, 94, KV. 56, KUIBYSHEV, U.S.S.R. (4) VLADIMIR ALEXANDRICH DANILYCHEV-ULITSA PROFSOJUZNAYA, 111, KORPUS, 43, KV. 226, MOSCOW, U.S.S.R. (5) ALBERT IVANOVICH FLATONTSEV-ULITSA SOVETSKOI ARMII, 163, KV. 16, KUIBYSHEV, U.S.S.R. (6) VLADIMIR VASILEVICH IGNATIEV-PROSPEKT KIROVA, 293, KV. 40, KUIBYSHEV, U.S.S.R. (7) VITALY DMITRIEVICH KARYSHEV-ULITSA SPORTIVNAYA, 5-25- KV. 5, KUIBYSHEV, U.S.S.R. & (8) ALEXANDR KONSTANTINOVICH TOGULEV-ULITSA JIBILEINAYA, 8, KV. 71, KUIBYSHEV, U.S.S.R.

Application No. 2003/Cal/75 filed October 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

58 Claims.

An aircraft take-off and landing system ensuring aircraft take-off and landing starting from the moment of admission of an aircraft into a system action zone, providing a pilot with information about the location of a take-off and land-

ing platform and glide slope leading to the latter, comprising at least one source of electromagnetic radiation being producing a pencil beam, said source of electromagnetic radiation being produced in the range of 10-15 mu, said source being positioned on a flight platform and is vertically directed, said beam of radiation having a divergence not exceeding 5° which divergence is produced by reflecting surfaces such as mirrors, aerial arrays or generators proper like projectors or lasers and forms the course and glide path with the said angle of slope for the aircraft take-off and landing.

CLASS 98-F. 145818.

Int. Cl. F16I 59/00, C04b 43/00.

PROCESS FOR PREPARING A THERMALLY PROTECTED SUPER ALLOY STRUCTURE.

*Applicant* : UNITED TECHNOLOGIES CORPORATION, OF 1. FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, U.S.A.

*Inventors* : GEORGE WILLIAM GOWARD & DELTON ANDREWS GREY & RICHARD CARROLL KRUTENAT.

Application No. 1488/Cal/76 filed August 16, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

Process for preparing a thermally protected superalloy structure for use in system such as combustion chambers, transition ducts and afterburner liners in gas turbine engines which comprises applying to a substrate of material selected for the group consisting of nickel or cobalt base superalloy a metallic bond coat and applying thereover a zirconia base ceramic layer, characterized in that said bond coat is an alloy of a material consisting essentially of 15-40 percent chromium, 10-25 percent aluminum, less than 1 percent Yttrium with a material selected from the group consisting of iron, cobalt, nickel, and nickel-cobalt.

CLASS 40F & 146D-1. 145819.

Int. Cl. G02b 1/00; 5/00.

IMPROVEMENTS IN RELATING TO APPARATUS FOR SAMPLING, MIXING THE SAMPLE WITH A REAGENT AND MAKING OPTICAL ANALYSES.

*Applicant & Inventor* : JAN EVERT LILJA, OF PRODES VAG 17, S-291 65 KRISTIANSTAD, SWEDEN, AND SVEN ERIK JENNART NILSSON, OF HASSELVAGEN 17, S-291 60, KRISTIANSTAD, SWEDEN.

Application No. 1750/Cal/76 filed September 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A cuvette, made from transparent plastics material or glass, preferably by extrusion, by which procedure the volume of the cavity thereof is very precisely determined, for sampling of a liquid, for example, blood, mixing the sample of the liquid with a reagent which rapidly mixes with the liquid, and directly making optical analyses of the sample mixed with the reagent the said cuvette comprising a body with at least one cavity into which the said sample can be drawn, the reagent being deposited on the walls of the cavity and adhering thereto so that it is retained in the cavity in an amount predetermined in relation to the volume of the cavity, and two opposed cavity-defining planar surfaces being placed at a predetermined distance from one another.

CLASS 195A & D. 145820.

Int. Cl. F16k 19/00.

IMPROVEMENTS IN OR RELATING TO FLOW CONTROL VALVES.

*Applicant* : WESTERN THOMSON CONTROLS LIMITED, OF THE AERODROME, HEADLEY ROAD, EAST WOODLEY, READING RG5 4SN, ENGLAND.

*Inventor* : ROBERT EDMUND BUSWELL.

Application No. 123/Cal/77 filed January 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A flow control valve comprising a valve body for insertion in a bore of a block in which the valve is to be mounted, a flange around the valve body for abutting an end face of the block to locate the valve axially in the bore a sealing ring in an annular groove in the valve body, and clamping means for overlapping a part of the flange to clamp it against the end face of the block thereby to secure the valve in the bore.

CLASS 33F.

145821.

Int. Cl. B22d 15/00.

SYSTEM FOR EVALUATING PERFORMANCE OF HOT TOP MATERIALS.

*Applicant* : THE TATA IRON & STEEL CO. LTD. AT JAMSHEDPUR, STATE OF BIHAR, INDIA.

*Inventors* : MR. YUSUF FAKHRUDDIN RAVAT, (2) MR. SABIR ALI, & DR. AMIT CHATTERJEE.

Application No. 422/Cal/77 filed March 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A system for evaluating characteristics of hot top materials comprising a chamber for holding molten metal, housed within an enclosure, the side walls of the chamber made of the hot top material the characteristics of which is to be evaluated, the base of the said chamber being made of refractory lining/bricks, a set of heat measuring thermocouples provided in the system for measuring the temperature of the molten metal and the temperatures of the inner face and outer face of the hot top material, the space between the said chamber and the said chamber and the said enclosure being provided with filling material like sand, or vermiculite.

CLASS 114-D.

145822.

Int. Cl. C14b 17/00.

A MACHINE FOR TREATING LEATHER.

*Applicant & Inventor* : RANENDRA KUMAR MUKHERJEE, 12, PROBHURAM SARKAR LANE, CALCUTTA-15, STATE OF WEST BENGAL, INDIA.

Application No. 804/Cal/77 filed May 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A machine for the treatment of leather to render it soft and glossy employing a knife cylinder working in cooperation with a leather blaster and a pair of rollers one being the rubber roller and the other being the hot roller so that the leather after it is subjected to the knife cylinder passes through the said pair of rollers, the hot roller being driven by an electric motor and means for causing the hot roller to contact the rubber roller or move away from it, said means comprising a crank rod mounted eccentrically on a gear wheel driven by a separate motor, a magnetic brake provided at the output end of the motor, said brake being disengaged when the motor is switched on and engaged when the motor is switched off so that when the hot roller reaches the top most position in relation to the rubber roller and are in contact with each other the said motor is then switched off and the magnetic brake simultaneously comes into action and stops the motion of the crank rod instantly in that position.

CLASS 14B.

145823.

Int. Cl. H01m 1/00.

LEAK-RESISTANT DRY LECLANCHE CELLS.

*Applicant & Inventor* : CHING WA PUN AND CHING CHAU POON, BOTH OF VILLA VIVA, TO FUNG SHAN ROAD, SHATIN, NEW TERRITORY, HONG KONG.

Application No. 2010/Cal/75 filed October 16, 1975.

Convention date October 17, 1974 (45042/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A dry Leclanche cell comprising a negative electrode formed by a zinc tube made from thin sheets which is open at both ends and is so dimensioned that it is substantially totally consumed when the cell voltage has fallen to a predetermined minimum value in the range of 0.70 to 0.85 volt, a sealed bag of flexible synthetic plastics material enclosing said zinc tube with the depolarising dolly and externally surrounded by a cylindrical jacket, a carbon anode projecting through said bag in sealing relation thereto, and at least one tongue extending from said zinc tube through said bag in sealing relation thereto into electrical contact with a negative terminal of the cell.

CLASS 97-D. 98F & 152F.

145824.

Int. Cl. C08F 47/12.

A TWO-LAYER RESISTIVE ELECTRICAL COMPONENT.

*Applicant* : ROYCHEM CORPORATION, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, UNITED STATES OF AMERICA.

*Inventors* : DAVID AUGUST HORSMA, (2) BERNARD JOHN LYONS & ROBERT SMITH JOHANNSEN.

Application No. 1857/Cal/75 filed September 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

50 Claims.

A component for an electrical circuit comprising at least one first layer of electrically resistive material and at least one second layer of electrically resistive material at least a part of a surface of a first layer being contiguous with at least part of a surface of a second layer along an interface which provides direct electrical and thermal contact between them, the first layer exhibiting a positive temperature coefficient (hereinafter PTC) of resistance and having an anomaly temperature (Ts), above which it is substantially non-conducting, and the second layer having a substantially constant resistance (hereinafter CW as hereinbefore defined) at least below the anomaly temperature (Ts) of the first layer.

CLASS 95K.

145825.

Int. Cl. B25b 13/18.

MANUALLY OPERATED ADJUSTABLE/SLIDABLE UNIVERSAL WRENCH.

*Applicant* : LACREX BREVETTI S.A. OF VIA G. MOTTA 6648 MINUSIO, SWITZERLAND.

*Inventor* : MAX PASBRIG.

Application No. 887/Cal/76 filed May 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A manually operated wrench having a first gripping jaw integral with a support bar, a second slidable gripping jaw on the said support bar, means for moving one of the jaws relative to the other to grip an object between the jaws, and means on the wrench between the jaws to change the gripping surfaces of the wrench, comprising a member slidably mounted on the wrench having opposed gripping surfaces, one surface facing the gripping surface on one jaw, the other surface facing the gripping surface on the other jaw, the one surface having the same type of gripping surface as the surface on the one jaw.

CLASS 185-D.

145826.

Int. Cl. A47j 35/00.

DEVICE FOR DRIVING POULTRY IN TFA CRUSHING TEARING AND CURING (CTC) MACHINES.

*Applicant & Inventor* : KRIPAL SINGH, AMARPAL SINGH, SAWINDER KAUR, ALL OF POST OFFICE LAHOAL, DISTT. DIBRUGARH, ASSAM, INDIA.

Application No. 615/Cal/77 filed April 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A CTC machine including a high speed roller and a low speed roller, means for driving the high speed roller and a movable conveyor belt to receive the leaves subjected to crushing between the said rollers characterized by that on one side of the said machine is removably fitted a unit in the form of a housing, a splined shaft fitted with the housing, the said shaft being the main splined shaft and disposed transversely *i.e.* at right angle to the shaft of the said two rollers, a first worm wheel mounted on said main splined shaft, a first worm engaging said worm wheel, said worm being driven by the shaft of the high speed roller, a second worm wheel spacedly mounted on the said main splined shaft, a second worm mounted on a lay shaft and in engagement with the second worm wheel, said lay shaft driving the shaft of the low speed roller.

CLASS 55D<sub>2</sub> & E<sub>9</sub> & F.

145827

Int. Cl. A61k 27/00.

A METHOD FOR PREPARING SPRAYABLE GERMICIDAL COMPOSITIONS.

*Applicant* : MUNDIPHARMA AG. OF ALBAN-VORSTADT 94, POSTFACH, 4006, BASEL, SWITZERLAND.

*Inventors* : ERNEST JACKSON SASMOR AND ROBERT HOLZHAUER.

Application No. 736/Cal/77 filed May 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A method for preparing a sprayable germicidal composition for topical application to the injured skin of humans and animals comprising the steps of :

(a) mixing from 0.5 to 1.5 parts by weight of an aliphatic glycol selected from the group consisting of polyoxyethylene glycol, having molecular weight of from 200 to 800, propylene glycol and glycerin with from 7.5 to 30 parts by weight of water,

(b) adding a nonionic surface tension reducing agent selected from the group consisting of poly (oxyethylene)-poly(oxypropylene)-polyethylene polyol compounds; the octyl polyoxyalkyl esters of hexahydric alcohols and mixtures of these in concentration of at least equal to the combined weight of fatty alcohol and fatty acid moieties set forth in step c below;

(c) melting one part by weight of a fatty alcohol selected from the group consisting of a fatty alcohol of the formula ROH, wherein R is a saturated or unsaturated alkyl group of from 10 to 18 carbon atoms in chain length, and from two to three parts by weight of a fatty acid of the formula RCOOH, wherein R is a saturated or unsaturated alkyl group of from 14 to 18 carbon atoms in chain length.

(d) mixing the molten fatty alcohol-fatty acid mixture of step c with the aqueous-glycol solution obtained as a result of step b and stirring until a homogenous dispersion results.

(e) adding a sufficient quantity of a microboidal agent stirring until a homo-

(f) adding one part of a pharmaceutically acceptable liquid aerosol propellant selected from the group consisting of propane, isobutane, dichlorodifluoromethane, dichlorofluoromethane, chlorodifluoromethane, 1, 1, 2-trichloro-1, 2, 2-trifluoroethane, dichlorotetrafluoroethane, carbon dioxide, nitrogen and mixtures of these to each nine parts

CLASS 86-B.

145828.

Int. Cl. A47c 17/00.

## COMBINATION BED AND DESK.

*Applicant & Inventor* : GEORGE SPIRO REPPAS, OF 1030 SAN RAYMUNDO ROAD, HILLSBOROUGH, CALIFORNIA 94010, UNITED STATES OF AMERICA.

Application No. 1376/Cal/77 filed September 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

Combination bed and desk furniture comprising a bed frame for holding bedding, means for carrying the frame at one of its ends for pivotal movement about a transverse axis between a raised position in which the frame is upright and a lowered position in which the bedding is disposed in a horizontal orientation, a desk having a top surface disposed in a generally horizontal orientation, means for mounting the desk for movement with the bed between a raised position and a lowered position concurrent with the movement of the bed between its respective raised and lowered positions, said last mentioned means maintaining the desk surface in said horizontal orientation throughout movement of the desk, said desk in its raised position being elevated a height above an underlying floor which affords space under the desk top for the legs and feet of an individual when seated at the desk.

CLASS 157D<sub>a</sub> & B.

145829.

Int. Cl. E01b 3/00; 23/12.

## IMPROVEMENTS IN OR RELATING TO A SUPPORT FOR THE RAILS OF A RAILWAY TRACK AND THE IMPROVED RAILWAY TRACK.

*Applicant & Inventor* : SANTO SALVINO, AT ROME (ITALY), 117, VIA DEI GLICINI.

Application No. 2286/Cal/75 filed December 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A support for the rails of a railway track, the support comprising a concrete member having an upper surface, a bottom surface, two opposite sides and two opposite ends; a laterally extending projection which projects from the top surface at a position spaced from at least one of the ends; and means for fixing two rails to the projection.

CLASS 166.

145830.

Int. Cl. B63b 21/00.

## SINGLE-POINT MOORING BUOY.

*Applicant* : SINGLE BUOY MOORINGS, INC. AT FRIBOURG, 12, RUE ABBEBOVET, SWITZERLAND.

*Inventors* : WILLEM JAN VAN HEIJST.

Application No. 879/Cal/76 filed May 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Single-point mooring buoy, comprising a column which in the operative position extends substantially vertically, said column may be anchored to a bottom lying under the water surface with the aid of means provided at its lower end, a buoy member connected with said column in such a way that said member may rotate through 360° about said column, and at least one conduit extending from a point near the anchoring of said column towards a swivel joint assembly also connected with the column for rotation through 360° to which a hose or similar element may be connected, characterized in that the buoy member is mounted onto the column by means of bearing of its own and that said bearing is disposed below the swivel joint assembly.

CLASS 136-C &amp; E.

145831.

Int. Cl. B29c 17/14.

## APPARATUS FOR TRIMMING AN EXTRUDATE.

*Applicant* : HASBRO INDUSTRIES, INC. OF 1027 NEWPORT, AVENUE, PAWTUCKET, RHODE ISLAND, UNITED STATES OF AMERICA.

*Inventors* : CHARLES GWIN RENEGAR, (2) FRANK EDWARD COLBECK.

Application No. 215/Cal/77 filed February 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

Apparatus for trimming an extrudate to finished length and fusing the ends thereof comprising hopper means for receiving and orienting rough cut lengths of extrudate, and having an out-let through which oriented lengths of extrudate are adapted to pass; a movable carrier having a plurality of spaced holder means operatively passing the outlet as the carrier moves; each holder means adapted to releasably capture a length of extrudate from the outlet as the carrier moves the holder means past the outlet a pair of space, rotatable cutter discs operatively positioned relative to the carrier for trimming each end of a length of extrudate captured by a holder means as the carrier moves the holder means past the cutter discs; and means for heating the cutter discs whereby each end of the length of extrudate is fused simultaneously with being trimmed.

CLASS 69B &amp; G, 126A.

146832.

Int. Cl. H01h 71/00, 73/00; 77/00 &amp; 83/00.

## IMPROVEMENTS IN OR RELATING TO A CIRCUIT ARRANGEMENT FOR SHOCK PROTECTION AND INDICATION OF LEAKAGE CURRENT.

*Applicant & Inventor* : PRITAK LAL RAJAK, OF 322, UPRANGANJ, DIXITPUR, JABALPUR 482002, MADHYA PRADESH, INDIA.

Application No. 265/Bom/75 filed October 3, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 7 Claims.

A circuit arrangement for providing protection from electrical shock and indication of leakage current comprising a coil having a central tap, one end of which is connected to the body required to be earthed; the other end being connected to the mass of the earth and the tap being connected to the neutral of the supply line in the case of low and medium voltages and *vice versa* in the case of Direct Current, high and Extra High Voltages; said coil adapted to magnetically actuate conventional indication or circuit breaking means or both when current passes through the said coil.

CLASS 179G.

145833.

Int. Cl. A61j 11/00.

## AN IMPROVED NIPPLE FOR A FEEDING BOTTLE.

*Applicant* : BOMBAY LATEX & DISPERSIONS PRIVATE LIMITED, 83-C, DR. ANNIE BESANT ROAD, WORLI, BOMBAY 400 018, MAHARASHTRA, INDIA.

*Inventors* : HARISH KUMAR NARANG.

Application No. 317/Bom/75 filed November 13, 1975.

Complete Specification Left. February 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 3 Claims.

A nipple for a feeding bottle having at least one through hole at its extreme tip meant for sucking milk or other liquid food and also having at least one second through hole provided in its side wall to serve as a passage for air, characterised in that the said nipple is provided internally with a radial diaphragm which partially covers the radial cross section of the space within the nipple, the said diaphragm lying between the said second through hole and the base flange of the nipple, the said second through hole being externally provided with two or more segments or projections which are situated around the said second

through hole, the said segments or projections serving as visual indicators of the position of the said second through hole and being also adapted to reinforce the said wall of the nipple.

CLASS 130G.

145834.

Int. Cl. C22b 43/00; C02c 5/08.

PROCESS FOR THE REMOVAL AND RECOVERY OF MERCURY FROM MERCURY BEARING LIQUID EFFLUENT AND A REMOVAL-CUM-RECOVERY PLANT THEREFOR.

*Applicant*: THE STANDARD MILLS CO LTD. OF MAFATLAL CENTRE, NARIMAN POINT, BOMBAY-400 021, MAHARASHTRA, INDIA.

*Inventors*: SHRI ANIRUDDHA LAHIRI & SHRI TRIPUNITURA PARASHURAM VENKATRAMAN.

Application No. 354/Bom/75 filed December 9, 1975.

Complete Specification Left. December 1, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

19 Claims.

A process for removal of mercury from mercury bearing liquid effluent comprising acidifying the effluent with a mineral acid such as herein described, chlorinating the effluent, dechlorinating excess chlorine, if any, from the effluent in a known manner such as herein described and removing the mercury from the effluent by passing through an ion-exchanger.

CLASS 32A.

145835.

Int. Cl. C09b 29/00.

PROCESS FOR THE MANUFACTURE OF NEW AZO DYESTUFFS.

*Applicant*: CIBA-GEIGY OF INDIA LIMITED, OF AAREY ROAD, GOREGAON, EAST, BOMBAY-400 063, MAHARASHTRA, INDIA.

*Inventors*: DR. ARVIND VITHAL PATWARDHAN & DR. PONNU SWAMI JAYARAMAN.

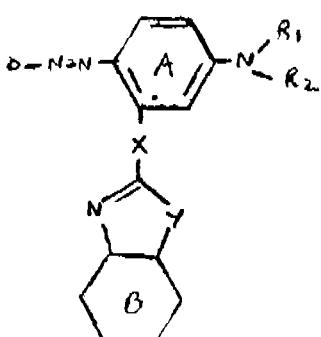
Application No. 367/Bom/75 filed December 16, 1975.

Complete Specification Left. January 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

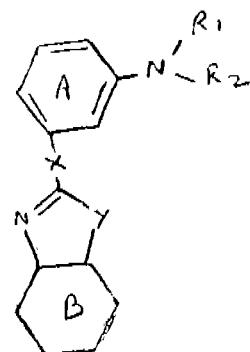
8 Claims.

A process for the manufacture of new azo dyestuffs that are free from sulphonate acid groups and have formula 1.



in which D is the radical of a diazo compound such as herein described R<sup>1</sup> represents a hydrogen atom or an optionally substituted alkyl group such as herein described, R<sup>2</sup> is an optionally substituted alkyl group such as herein described, X is a direct bond linking ring A with the hetero ring condensed to Ring B, an imino group, a sulphur atom or an oxygen atom, Y is an imino group or an oxygen or a sulphur atom and the aromatic hydrocarbon ring B may have further substituents such, for example, as halogen atoms, nitro groups or organic substituents such as herein described, by coupling a diazonium compound the formula 2-397GI/78

D-NH<sub>2</sub>, in which D is as defined above with a coupling compound of the formula II.



wherein R<sup>1</sup>, R<sup>2</sup>, X and Y have the earlier defined meanings and treating the azo dyestuff optionally with a quaternising agent such as herein described.

CLASS 179E.

145836.

Int. Cl. B65d 43/18.

A VESSEL PROVIDED WITH A RECESSED LOCKING LID.

*Applicant*: NAUTAMIX PATENT A.G. OF 12 ALPENSTRASSE, ZUG, SWITZERLAND.

*Inventor*: CONSTANT JOHAN NAUTA.

Application No. 52/Bom/76 filed February 17, 1976.

Convention date October 8, 1975(41343/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A vessel with a locking lid recessed in its wall, a mechanism being provided for moving the locking lid, further comprising a mobile supporting member with a connecting element for the lid, wherein the connecting element consists of some rods the ends of which are pivotally connected with the lid and with the supporting member while in the locked position of the lid the pivotal points of the rods substantially coincide with the angular points of a rectangle.

CLASS 198B.

145837.

Int. Cl. B01d 21/00.

IMPROVEMENTS IN OR RELATING TO FLOATATION CLARIFIERS.

*Applicant*: WANCHANDNAGAR INDUSTRIES LIMITED, OF P.O. WALCHANDNAGAR, 413114, DIST. POONA, MAHARASHTRA, INDIA.

*Inventors*: ANIL CHANDRA CHATTERJEE & AJIJ FARIDIN GOLANDAJ.

Application No. 80/Bom/76 filed March 10, 1976.

Complete Specification Left. February 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

An improved floatation clarifier comprising a clarifier space, a floatation space located atop said clarifier space, an upper scum removal means located in the upper part of said floatation space, a lower tailings discharge means located towards the bottom of said clarifier space and a feed inlet to said clarifier space located below said floatation space, characterized in that said clarifier space and said floatation space together forming a unicellular cell of frustoconical shape from bottom to top so that the rate of clarification is increased.

CLASS 179G.

145838.

Int. Cl. B67b 3/08.

A PLASTIC CLOSURE CAP WITH A VALVE FOR A BOTTLE.

*Applicant & Inventor:* DILIP SUKHLAL MEHTA, OF 32, MORVI HOUSE, 28/30 GOA STREET, BOMBAY-400 001, MAHARASHTRA, INDIA.

Application No. 304/Bom/76 filed September 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims.

A plastic closure cap with a valve for a bottle, the cap being adapted to discharge at a time a quantity of the liquid content of the bottle, the neck of the bottle having on its outside a screw-worm with a circular ridge below it, the valve being adapted to fit leakproof into the neck of the bottle, the valve having a middle portion with integral peripheral upward wall and having a tubular central projection with round closed top, and having a plurality of openings in the middle portion surrounding the projection the cap having a central orifice in its top, the ceiling of the cap surrounding the orifice having a dome corresponding to the top of the central projection of the valve, the edge of the dome having a pending coaxial wall leaving between said wall and the inner surface of the cap an annular space adapted to accommodate leakproof the peripheral wall of the valve fitted into the neck of the bottle, the cap having further a screwworm corresponding to that on the neck of the bottle and as topping inward ridge at its edge corresponding to the ridge on the neck of the bottle, the cap and the valve, when fitted to the bottle, being adapted to leave for the passage of the liquid annular space between the pendant wall of the cap and the central projection of the valve, the top of the central projection pressing leakproof against the orifice in the closed position of the cap.

CLASS 76B.

145839.

Int. Cl. F16b 9/02.

UNIVERSAL CLAMPING DEVICE FOR PIPES, CABLES AND THE LIKE RUNNING MATERIAL.

*Applicant:* RATHI INDUSTRIAL EQUIPMENT CO. LTD. OF 27 SHANKAR SHET ROAD, POONA 411 003, MAHARASHTRA, INDIA.

*Inventor:* SHRI CHAINSUKH SUBHACHAND GANDHI.

Application No. 310/Bom/76 filed September 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

Universal clamping device for the pipes, cables and the like running material comprising a channelled 'U' clamp on the upper arm there is provided a threaded hole and a screw, and on the inner edge of the lower arm there is provided serration for tightening or clamping the said 'U' clamp on suitable firm support, there being provided openings on the side and lower portion of the said 'U' clamp characterised in that there can be inserted a clamping device for holding pipes, cables and the like running material, the said clamping device comprising two collapsible members having bulge at the middle, the upper ends formed into outwardly bent collars and flat extension having suitable holes for a nut and bolt to pass through; the said upwardly bent collars pass through the openings provided on the said 'U' clamp; pipe cable and the like running material is now held between the bulge at the middle of the said collapsible members and the lower ends are secured with a nut and bolt.

CLASS 172C.

145840.

Int. Cl. D01g 15/46.

A DEVICE FOR TRANSFERRING MATERIAL FROM THE DOFFER CYLINDER OF CARDING ENGINES.

*Applicant & Inventor:* PADMANABHAM RATAOGPATAN OF 89 KATAKSHTRA COLONY, MADRAS-600 000, TAMIL NADU, INDIA.

Application No. 191/Mas/76 filed September 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

A device for transferring fibrous material from the doffer

of a carding engine comprising a cylindrical perforated cage located adjacent to the said doffer, the said cage being rotatable on a fixed hollow shaft connected to a suction device the said shaft having mounted thereon two baffle plates forming a suction zone facing the doffer, the said shaft also having at least one row of holes in the suction zone, an auxiliary roller pressing against the said cage, the arrangement being such that on applying suction through the said shaft the fibres carried by the doffer are transferred onto the cage due to suction created inside the suction zone of the cage, the fibres thus transferred passing through the nip between the cage and the auxiliary roller in a consolidated form.

OPPOSITION PROCEEDINGS

(1)

Application for Patent No. 137567 made by Vaman Narayanan Lokur, an Opposition to the grant of a Patent on which was entered by the Deputy Director Standards (Wagon), Research, Designs & Standards Organisation and notified in Part III, Section 2 of The Gazette of India dated the 21st February 1976, has been treated as abandoned.

(2)

Application for Patent No. 138119 made by Dunlop Limited, an Opposition to the grant of a Patent on which was entered by Vasant Engineering Private Limited and notified in Part III, Section 2 of The Gazette of India dated 12th June 1976, has been treated as abandoned.

(3)

The application for patent No. 138525 made by Chhajuram Mansaram Bhanotra in respect of which an opposition was entered by Anand Prakash Atri, Director, Central Council for Research in Indian Medicine and Homeopathy as notified in Part III, Section 2 of the Gazette of India dated the 3rd July, 1976 has been treated as withdrawn.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

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110303 110458 110503 110786 110805 110912 111266 112520  
112701 113844 113965 114430 114575 114683 117386.

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137947 137959.

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116467 137979 137982.

(9)

129575 137994 137986.

PATENTS SEALED

141426 141513 141575 141580 141952 142480 142502 142633  
142728 143046 143123 143129 143143 143147 143497 143558  
143644 144520 144593.

## AMENDMENT PROCEEDINGS UNDER SECTION 57.

(1)

The amendments proposed by PROGIL in respect of patent application No. 125022 as advertised in Part III, Section 2 of the Gazette of India dated the 5th August, 1978 have been allowed.

(2)

The amendments proposed by Embart Corporation in respect of patent application No. 139446 as advertised in Part III, Section 2 of the Gazette of India dated the 12th August, 1978 have been allowed.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146 (2) of the Patents Act, 1970, in respect of Calender year 1977 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patents	Brief title of the Inventions.
1	2	3	4	5
1.	80629	6-2-1962	York Trailer Co. Ltd., St Mark's Road, Corby, Northants, England.	Road Vehicles.
2.	82415	2-1-1962	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Combined seal and thrust means.
3.	83594	6-8-1962	Do.	Hydraulic circuit for tractors drawn scrapers and the like.
4.	83595	6-8-1962	Do.	Hydraulic circuit for tractor drawn implements.
5.	83676	13-8-1962	Do.	Hydraulic system for actuation of and earth moving scraper ejector.
6.	85275	23-11-1962	Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Texas, U.S.A.	Well dogging systems.
7.	85437	3-12-1962	Emil Beck Jensen, Box 311, Glenwood, Illinois, U.S.A.	Replaceable blade for a rotatable rasp used to remove rubber from the carcass of the rubber tire.
8.	87067	21-3-1963	F. L. Smith & Co., A/s, 77 Vigerder Alle, Copenhagen Valby, Denmark.	Exchanging heat between solids.
9.	87413	16-3-1963	Do.	Separating pulverised material and air separator.
10.	87421	16-4-1963	Sandvik Aktiebolag, Sandviken Sweden.	Rotary drill or drill bits therefor.
11.	87434	16-8-1963	Inland Steel Co., 30, West Monroe Street, Chicago-3, Illinois, U.S.A.	Heating steel billets.
12.	90683	6-11-1963	Caterpillar Tractor Co., 100, N.E. Adams Street, Peoria, 61629, U.S.A.	Hydraulic circuit for control of earth moving scraper bowls.
13.	91098	2-12-1963	The Battelle Development Corp., 505, King Avenue, Columbus, Ohio 43201, U. S. A.	A material comprising steel wire and concrete.
14.	91381	19-12-1962	Acrow Engineers Ltd., 8, South wharps Paddington, London, W-2, England.	Form work.
15.	92014	23-3-1964	Caterpillar Tractor Co.	Differential for wheel vehicles.
16.	93335	18-4-1963	F. L. Smith & Co., A/s, 77, Vigerster Alle, Copenhagen, Valby, Denmark.	Installation for treating cement raw Slurry.
17.	93937	31-5-1963	Do.	Producing cement from clinker and an apparatus therefor.
18.	94021	1-6-1964	Sandvik Aktiebolag, Sandviken, Sweden.	Drill bits.
19.	94184	12-6-1963	Torrance & Sons Ltd., Near Bristol, Gloucestershire, England.	Mixing apparatus.
20.	94819	24-7-1963	F. L. Smith & Co. A/s.	Grinding plant.
21.	96649	23-11-1964	Caterpillar Tractor, 100, N. E. Adams Street, Peoria, Illinois 61629, U.S.A.	Controlling bounce in tractor trailer combination and its manufacture.
22.	97028	14-12-1964	Sandvik Aktiebolag, Sandviken, Sweden.	A drill.

1	2	3	4	5
23.	99239	• • • 29-4-1964	F. L. Smith & Co., A/s, 77, Vigerslev Alle, Copenhagen, Valby, Denmark.	Impact crushers.
24.	99764	• • • 27-5-1965	Sandvik Aktiebolag, Sandviken, Sweden.	Threaded drill rod elements.
25.	102034	• • • 13-10-1965	Caterpillar Tractor Co., 100, N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Diagonal bracing and bulldozer blade mounting.
26.	102057	• • • 14-10-1965	Do.	High pressure hydraulic base coupling assembly.
27.	104278	• • • 13-3-1965	Wright Rain Ltd., Crowe, Ring wood, Hampshire, England.	Pipe Couplings.
28.	104622	• • • 29-3-1966	Monsanto Co., 800 North, Lindbergh, Blvd, St. Louis, Missouri 63166, U. S. A.	Shaped articles.
29.	104647	— • • 31-3-1966	Selig Percy Amolls, 4, Griswold Road, Soxonwold, Johannesburg, Transval, South Africa.	Cryosurgical instruments
30.	105108	• • • 4-5-1965	F. L. Smith & Co., A/s. Denmark.	Transferring data from rotary bodies.
31.	105195	• • • 10-5-1966	Caterpillar Tractor Co., U.S.A.	A system for controlling vibrations between articulately connected vehicle components.
32.	105720	• • • 10-11-1965	Sandvik Aktiebolag, Sandviken Sweden.	Anchoring a tie rod and a tie rod for carrying out the same.
33.	107506	• • • 7-7-1966	Do.	Extension rod for precession drilling.
34.	107832	• • • 4-11-1966	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629 U.S.A.	Hose.
35.	108389	• • • 12-12-1966	Do.	Stabilising means for earth moving scraper.
36.	108585	• • • 26-12-1966	Do.	Resilient shock absorbing device.
37.	109064	• • • 27-1-1967	Do.	Ejector mechanism for loader buckets.
38.	109540	• • • 1-3-1967	Do.	Tractor scraper combination with resilient means to provide.
39.	110714	• • • 18-5-1967	Do.	Hydraulic follow up vehicle steering systems.
40.	110817	• • • 25-5-1967	Do.	A tractor scraper combination.
41.	111022	• • • 8-6-1967	Do.	Hydraulic actuation means for a pair of steering clutches in the drive.
42.	111202	• • • 22-6-1967	Do.	Reinforcement for pneumatic tire.
43.	111205	• • • 22-6-1967	F. L. Smith & Co., A/s, 77, Vigerslev Alle, Copenhagen Valby, Denmark.	Producing ground material and grinding mill therefor.
44.	111239	• • • 24-6-1967	Leeds & Northrup Co., 4901, Stenton Avenue, Philadelphia, Pennsylvania 19144, U.S.A.	Immersion molten metal sampler.
45.	111749	• • • 31-7-1971	Caterpillar Tractor Co., 100, N.E. Adams Street, Illinois 61629, U.S.A.	Track link.
46.	112282	• • • 8-9-1967	Do.	Hydraulic control system for a multi-speed transmission.
47.	112283	• • • 8-9-1967	Do.	Hydraulic governor.
48.	112893	• • • 24-10-1967	Do.	Push pull coupling for tractor scraper units.
49.	113076	• • • 8-11-1966	F. L. Smith & Co., A/s. 77 Vigerslev Alle, Copenhagen Valby, Denmark.	Drum sieves.
50.	113286	• • • 22-11-1967	Monsanto Co., 800, North Lindbergh Blvd, St. Louis Missouri 63166, U.S.A.	Forming objects from low viscosity melt.

1	2	3	4	5
51.	113493	8-12-1966	F. L. Smith & Co. A/s.	Production of deltrajine cement and apparatus therefor.
52.	113739	21-11-1966	Casablancas Ltd, Bolton Street, Salford 3, Manchester, England.	Top arms for textile fibre roller drafting mechanism.
53.	113799	26-12-1967	F. L. Smith & Co., A/s.	Mills for grinding mineral materials.
54.	114327	2-2-1968	Catervillar Tractor Co.,	Powdered articulated crawler vehicle.
55.	114822	4-3-1968	Ahmedabad Textile Industrial Research Association, P. C. Polytechnic, Ahmedabad-15. Gujarat.	Booster apparatus for cylinders dryers.
56.	114920	23-3-1967	F. L. Simth & Co., A/s. 77 Vigerslev Copenhagen-Valby, Denmark.	Alle Planetary coolers for use with rotory kilns.
57.	115335	8-4-1968	Caterpillar Tractor Co., 100 N. E. Adams Street, Peoria, Illinois 61629 U.S.A.	Lift cylinder mounting for scrapers.
58.	115761	6-5-1968	Weston Instruments, Inc., 614 Frelinghmysen, Avenue, New York, New Jersey, U.S.A.	Analog to digital convertor
59.	116118	28-5-1968	Caterpillar Tractor Co.	Two piece master track link.
60.	116460	24-6-1967	Leeds & Northup Co., 4901, Stenton Avenue, Philadelphia Pennsylvania 19144, U.S.A.	Immersion sample device.
61.	116468	22-6-1968	Mark Hard Aerial Surveys Inc, 345, Pennsylvania Avenue South, Minneapolis, Minnesota, U.S.A.	Doors for access opening.
62.	116639	3-7-1968	Wright Rain Ltd., Crowe, Ringwood, Hampshire, England.	Rotary water sprinkler.
63.	117277	16-8-1967	F.L. Smith & Co., Denmark.	Conveying and distributing device.
64.	117542	3-9-1968	Caterpillar Tractor Co.,	Articulated chain assembly.
65.	117778	20-9-1968	Abraham Kogan, 35 A, Trumpeldor Avenue, Neveshaanom, Haifa, Israel.	Apparatus for producing a liquid in which heat and/or mass is transferred thereto from another liquid.
66.	118808	30-11-1968	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Replaceable ripper tip assembly.
67.	120069	27-2-1968	F.L. Smith, & Co., A/s. 77, Vigerslev Alle, Copenhagen, Valby Denmark.	Manufacture of cement.
68.	120826	9-4-1969	Wyne Emil Gensen, P.O. Box 325, Glenwood, Illinois 60425 U.S.A.	Traffic signal conversion unti and a traffic signal including road traffic signal.
69.	121021	24-4-1968	F.L. Smith & Co., A/s.	Heat exchanger.
70.	121864	18-6-1969	Bay-Stahlgewebe GMBH 4000 Dusseldorf Gloeskassel, Burggragenstrasse 5, G.F.R.	Spot welded reinforcing mats for use in reinforced concrete.
71.	121975	11-3-1968	F.L. Smith & Co. A/s. Denmark.	Coolers for use with rotary kilns.
72.	122334	17-7-1969	Sandvik Aktiebolag, Sandviken Sweden.	Milling cutters.
73.	122579	1-8-1969	Schlumberger Overseas S.A. 26, Berners Street, London, W.1. England.	Determining the position of tool in a bore hole.
74.	123598	16-10-1969	E.I. Du Pont etc., Wilmington, Daleware, U.S.A.	Apparatus for separating fluids.
75.	124264	1-12-1969	F.L. Smith & Co., A/s.	Conveying and distributing device.
76.	125209	1-1-1970	Sandvik Aktiebolag,	Inserts for machining of steel or like.
77.	125622	7-3-1970	W. M. R. Stewar & Sons, (Hacklemaker) Ltd., Marine Parade, Dundee, Scotland.	Carding drawing and other machines.
78.	125766	16-3-1970	Adams Incorporated, P. O. 8336, Station A, Green-ville, South Carolina, 29604, U.S.A.	Stop motion devices.
79.	125871	24-3-1970	Sandvik Aktiebolag, Sandviken, Sweden.	Production of cooled sentered metal body.
80.	125872	24-3-1970	Do.	Inserts for the machining of steel and the like.

1	2	3	4	5
81.	125970	.	30-3-1970	Platt Saco Lowell Ltd., Holcombe Road, Helmshore Rossendale BB, 4NG, Lancashire, England. Open end spinning devices.
82.	126022	.	1-4-1970	Abraham Kogan 35A. Trumpaldor Avenue, Neve Shannan, Haifa, Israel. Apparatus for producing a liquid in which heat and/or mass is transferred thereto from molten liquid.
83.	126220	.	16-4-1970	R. R. Pardasani Bhatia Bldg., Locks 87, Ranade Road, Shivaji Park, Dadar, Bombay-28. Locks.
84.	126222	.	16-4-1970	Johnson & Jorgensen (Plastic) Ltd., Guinstead Road, London, SE 8 England. Container and tamper-proof closure assemblies.
85.	126440	.	30-4-1970	R.R. Pardasani, Bombay. Locks.
86.	126640	.	12-5-1970	Casablancas Ltd., Bolton Street, Salford 3, Manchester, England. Textile fibre drafting mechanism.
87.	126658	.	13-5-1970	Emil Beck Jenson, P. O. Box 325, Glenwood, Illinois 60425, U.S.A. Tire casing conditioning means.
88.	126673	.	14-5-1970	R. R. Pardasani, Bhatia Bldg., 87, Ranade Road, Shivaji Park, Dadar, Bombay-28. Locks.
89.	126793	.	25-5-1970	Envirotech Corp., 537. West sixth salt lake, Utah, U.S.A. Apparatus for vacuum filtering.
90.	126877	.	1-6-1970	Gideon Petrus Schoeman Yssel, 'Sanitas'; P. O. Noordbrug, Polchfstrom, Transval, South Africa. Vehicle headlamp adjusting means.
91.	127033	.	11-6-1970	Ciments Lafarge, 28 Rue Emile Menier, Paris XVI France. Production of super white cement.
92.	127069	.	15-6-1970	E.L. Summer C/o Earthmaster Designs & Tools. Combination centre punch and light chisel.
93.	127074	.	15-6-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England. Automatic stack adjuster.
94.	127130	.	25-6-1969	Do. Frictional coupling.
95.	127259	.	25-6-1970	Do. Automatic adjuster for shoe drum brake.
96.	127378	.	7-7-1969	C. A. V. Lt <sup>1</sup> , Well Street, Birmingham 19, England. Fuel injection nozzle.
97.	127505	.	14-7-1969	Metallurgical Development Co., Trust Bldg, Frederick St. Nassau Bahamas, & Austral House, Basinghall Avenue, E.C.2. London, England. Feed material for blast furnace.
98.	127524	.	13-7-1970	F. L. Smith & Co., A/s. 77, Vigerslev Alle, Copenhagen-Vaiby, Denmark. Dry grinding cement clinkers.
99.	127672	.	23-7-1970	The Gillette Co., Prudential Tower Bldg., Boston, Massachusetts, U.S.A. Razor Blades
100.	127863	.	4-8-1970	Westinghouse Air Brake Co., Pittsburgh, Pennsylvania, U.S.A. Braking and propulsion systems for railway vehicle.
101.	127900	.	5-8-1970	Wright Rain Ltd., Crowe Ring-wood, Hampshire, England. Rctary water sprinkler.
102.	127947	.	10-8-1970	Carding Specialists Co. Ltd., Pellen Lane Works, Halifax, Yorkshire, England. Hydraulic circuit.
103.	128043	.	16-9-1979	Joseph Lucas (Industries) Ltd., Great Kings Street, Birmingham, England. Wiper assemblies.
104.	128064	.	18-8-1970	Francis Beatty Fishburne & Clarence Henry Hinnant, both of U.S.A. Apparatus for comprising loose material.

1	2	3	4	5
105.	128107	.	20-8-1970 Girling Ltd., King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Brake adjusters.
106.	128187	.	9-9-1969 GKN Birfield Transmissions Ltd., Chester Road, Erdington Birmingham 214, Warwick, England	Constant velocity universal joints.
107.	128198	.	27-8-1970 Girling Ltd., England.	Servomotors for vehicle braking.
108.	128231	.	29-8-1970 Girling Ltd., England.	Disc Brakes.
109.	128276	.	2-9-1970 F. L. Smith & Co., A/s 77, Vigerslev Alle, Copenhagen Valby, Denmark.	Heating or cooling granular or powdered material.
110.	128326	.	8-9-1970 Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Hydraulic braking system
111.	128343	.	8-9-1970 Herman Papst, Karl Maier Strasse, St. Georgen, Schwarzwald, FRG.	Hollow body transporter for transporting utility gases.
112.	128478	.	18-9-1970 Girling Ltd.	Disc brakes.
113.	128481	.	18-9-1970 Libbey Owens Ford Co., 811, Madison Avenue, Toledo, Ohio, U.S.A.	Bending glasses sheets.
114.	128493	.	19-9-1970 Demag, 41 Duisbury, Wolfgang Reuter, Plot 2, FRG.	Cooling wide continuous metal castings.
115.	128494	.	19-9-1970 C.A.V. Ltd., Well Street, Birmingham 19, England.	Liquid fuel injection pumping.
116.	128535	.	22-9-1970 Rhone Pouling Ind'v, 25, Quai Paul Doumer 92408 Courbevoie, France.	Electrolysis tough.
117.	128548	.	22-9-1970 Monsanto Co., 800 North Lindbergh Blvd. St. Louis, Missouri 63166, U.S.A.	Extrusion of essentially uniseed jet.
118.	128551	.	22-9-1970 Raytheon Co., Lexington Middlesey, Massachusetts, U.S.A.	Multipoint high density burner.
119.	128591	.	25-9-1970 Siemens Berlin & Munich, W. Germany	A spark gap assembly for surge arrester.
120.	128597	.	25-9-1970 Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629 U.S.A.	Cushioned track for earth working machines.
121.	128697	.	5-10-1970 Envirotech, 5-37 West, 6th South Salt Lake city, Utah U.S.A.	A float apparatus.
122.	128843	.	16-10-1970 Girling Ltd., King's Road, Tyseley, Birmingham 11, England	Vehicle braking system
123.	128926	.	21-10-1970 Harbans, Lal Malhotra & Sons, 12, New CIT Road, Calcutta-12	Coatings applied to metal articles having a cutting edge
124.	128927	.	21-10-1970 Do	Disposable plastic safety razors
125.	128928	.	21-10-1970 Do	Magazine for ribbon like shaving blade
126.	128931	.	21-10-1970 Do	Safety razor
127.	128976	.	24-10-1970 Girling Ltd., England	Brake shoes
128.	128979	.	12-11-1969 Do	Reservoirs for master cylinders
129.	129066	.	30-10-1970 Voith Getriebe K.G. of FRG	Hydrodynamics reversing Gear.
130.	129114	.	4-11-1970 UOP Inc., 1000 P Plaza, Algonquin and Mt. Prospect Road, Des Plaines, Illinois U.S.A.	Heat transfer tubing for boiling liquids.

1	2	3	4	5
131.	129124	• • 10-11-1969	Joseph Lucas (Industries) Ltd., Great Kings street, Birmingham, England.	Measuring the frequency of rotation of vehicle wheel.
132.	129126	• • 6-11-1970	Girling Ltd. England.	Vehicle brakes.
133.	129133	• • 6-11-1970	Natale Cantone Corso M. Prestirari, 162, Vercelli, Italy.	Agricultural machine for tilling soil.
134.	129137	• • 7-11-1970	Borgs Fabriks Akt, P. O. Box No. 242, St. 60 104, Norrkoping, Sweden.	An aircraft barrier net.
135.	129138	• • 7-11-1970	Do.	Air craft arresting system.
136.	129164	• • 10-11-1970	Universal Oil Products Co., 30, Algonquin Road, Des Plaines Illinois, U.S.A.	Vehicle seat.
137.	129192	• • 13-9-1971	Ahmedabad Textile Industries Research Association, P. O. Polytechnic, Ahmedabad-15.	Dual Dryer for textile.
138.	129329	• • 20-11-1970	Norton Co., New Bond Street, Wences- ter, Massachusetts, U.S.A.	Abrasive element.
139.	129330	• • 20-11-1970	Do.	Abrasive grinding element.
140.	129335	• • 21-11-1970	Schlumberger Overseas S. A. one kingscudy, London, W.C.2, G. Britain.	Investigating earth formation.
141.	129369	• • 24-11-1970	Nippon Kokan K. K. 1-3, 1-Chome Otemachi, Chiyoda Ku, Tokyo-Japan.	Cooling hot meals and in particular steel materials.
142.	129371	• • 24-11-1970	Do.	Reaction apparatus for fluidised bed.
143.	129429	• • 28-11-1970	Metallurgical Development Co., Trust Bldg. Fredrick St. Naseen, Bahamas & Australia 1 House, Basing hall Avenue, E C 2, London, England.	Operation of blast furnace.
144.	129494	• • 4-12-1970	Joseph Lucas (Industries) Ltd., Great Kings Street, Birmingham, England.	Vacuum operable units for use with ignition distributors.
145.	129497	• • 4-12-1970	Nippon Kokan Krk, 1-3, 1-chome otemachi, chiyoda-Ku Tokyo, Japan.	Manufacture of tinned plates having little tendency to smudge.
146.	129515	• • 5-12-1970	Girling Ltd., Kings road, Tyseley, Birmingham 11, England.	Hydraulic braking system for vehicles.
147.	129529	• • 7-12-1970	Emhart Industries Inc. 42 C colt Highway, Farmington, Connecticut, U.S.A.	Molten glass job distribution system.
148.	129583	• • 14-12-1970	Envirotech, Salt lake city, Utah, U.S.A.	Stem drying filter cake.
149.	129639	• • 17-12-1970	UOP Inc., 10 Uop Plaza, Algonquin & Mt. Prospect Road, Des Plaines, Illinois, U.S.A.	Heat transfer tube with porous boiling surface.
150.	129648	• • 17-12-1970	Schlumberger Overseas S. A. One kingsway, London W C 2, England.	Investigating earth formation.
151.	129652	• • 18-12-1970	Girling Ltd.	Vehicle shoe drum brakes.
152.	129653	• • 18-12-1970	Matisa Material Industrial S. A. Ascenciel Q, 1023, Crissiler, Switzerland.	Rectification of railway track.
153.	129741	• • 26-12-1970	Wilhelm Stahlecker GMBH, 7341, Reichenbach, Wuerttemberg, W. Germany.	Twin top rollers for drafting system of spinning machines.
154.	129748	• • 28-12-1970	Girling Ltd.	Liquid reservoirs.
155.	129768	• • 29-12-1970	Joseph Lucas (Industries) Ltd.	Fault detecting system for road vehicles.

**PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention.
80677 (20.4.72)	Process for preparing novel alkaloids.
82605 (20.4.72)	Method of preparing new derivative of 6, 11-dihydroxybenz (B.E.) thiepln.
84332 (20.4.72)	Process for preparing 1-alkyl-4-(N-arylalkanamido) piperidines.
91581 (20.4.72)	Process of preparing therapeutically useful composition.
93201 (20.4.72)	Process for manufacturing novel bis (hydroxymethyl) pyridine dicarbamate derivative.
100717 (20.4.72)	Method of isolating the antibiotic crude griseofulvin from a methylene chloride extract.
100790 (20.4.72)	Process for preparing peptides with anti-shock activity.
109549 (20.4.72)	Process for preparation of alkali metal salts of $\alpha$ -aminobenzylpenicillin.
114083 (20.4.72)	New synthesis of 2, 12-arylvinyl-1, 4, 5, 6-tetrahydro-pyrimidines and 21(2-arylvinyl)-2-imidazolines.
114932 (20.4.72)	Improvements in or relating to pharmaceutical composition for use in treating obesity.
115985 (20.4.72)	Process for preparation of anhydrous crystalline form of D-6 (2-amino)-2-phenyl-acetamido penicillanic acid.
123810 (20.4.72)	Process for preparing cyclohexyl alkanoic acid derivatives.
129421 (7.5.71)	A juice heater and process of heating juice therewith.
135236 (11.4.72)	The method of producing a glanz carbon coating on reactive form of coke briquettes.
136333 (3.4.73)	Process for production of substituted alkanes.
136340 (3.1.73)	Process for preparing ethyleneoxide.
136349 (11.7.72)	Process for preparing fluorocarbon waxes.
136397 (18.12.72)	A process for production of an absorbent based on a synthetic resin.
136535 (11.7.72)	Process for preparation of polymers.
136541 (2.5.72)	Process for the manufacture of iminoiso-indolinone dyestuff.
136638 (18.5.72)	Process for the automatic production of azodyestuff.

**RENEWAL FEES PAID**

90319	91048	91116	91253	91708	91765	91784	92955	96450
96732	96857	96961	97028	97124	97152	97507	97763	97925
102851	102863	103052	103118	103212	103236	103564	104162	
107090	108155	108300	108396	108405	108419	108474	108480	
108492	108578	108626	108684	109119	112367	113449	113508	

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 143306 143352 143403 143430 143505 143506.

**CESSATION OF PATENTS**

117984 117988 118008 118009 118011 118012 118024 118027  
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 118628 118635 118636 118686 118695 118697 118701 118718  
 118790 133261 134898 140361 140630 141081.

**RESTORATION PROCEEDINGS**

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 118975 granted to Maschinenfabrik Rieter A.G. for an invention relating to "cradle for the top and bottom aprons of drafting mechanisms for spinning machines". The patent ceased on the 26th Sept. 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th Nov., 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharyya Jagadish Bose Road, Calcutta-17 on or before the 30th Feb., 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

S. VEDARAMAN  
 Controller-General of Patents, Designs  
 and Trade Marks

